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Oil and Gas Statistics

November 1977



Ontario

Ministry
of
Energy



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OIL AND GAS STATISTICS

NOVEMBER 1977

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DETAILS OF OIL AND GAS

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OIL AND GAS STATISTICS

NOVEMBER 1977

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Oil Production in Ontario

In the first seven months, Ontario's oil production increased by nearly 4 percent from 1976 levels. This increase was due to the start of the first oil well in Ontario, Ontario production increased less than the half of one percent of provincial demand.

Oil Production in Ontario

Consumption of Oil in Ontario, Third Quarter
and First Nine Months 1977

Preliminary

In Ontario

PETROLEUM IN ONTARIO

Summary

In the first seven months of 1977, consumption of oil increased 4 percent over the level for the corresponding period of 1976.

Production from Ontario oil fields remained similar to the corresponding period 1976. Deliveries from western Canada were slightly lower than 1976 levels. Imports of U.S. domestic crude oil, in exchange for western Canadian crude supplied to refineries in the U.S.A., averaged 47,000 bpd.

Refinery production and net interprovincial products transfers were both up. Product imports increased and exports decreased.

Ontario Crude Oil Production

In the third quarter, Ontario crude oil production increased by nearly 5 percent from 1976 levels. This increase more than offset the drop of the first six months. Ontario production contributed less than one half of one percent of provincial demand.

CRUDE OIL PRODUCTION IN ONTARIO

Comparative Totals in Barrels, Third Quarter
and First Nine Months 1977

(Preliminary)

In Barrels

Period	Production		Percent Changes	
	1977	1976	1977/76	1976/75
July	61,683	59,448	3.8	-9.1
August	55,282	54,630	1.2	-1.6
September	54,911	50,164	9.5	-0.3
Totals - third quarter	171,876	164,242	4.7	-4.1
Totals - first six months	307,757	313,045	-1.7	-15.1
Totals - first nine months	479,633	477,287	0.5	-11.6

Western Canada Crude Oil and Other Supplies

Receipts of western Canada oil averaged about 452,000 barrels per day (bpd) in the first seven months, a drop of 1 percent from 1976 levels. Alberta deliveries accounting for 80 percent of total western crude receipts decreased by about 3 percent. Deliveries from Saskatchewan and Manitoba increased.

In the first seven months, imports of U.S. domestic crude oil averaged about 47,000 bpd. These imports were received in exchange for equal deliveries of western Canadian crude oil to U.S. refineries.

Oil in Ontario (1)

Comparative Receipts and Disposition
January to July 1977

Supply	Quantities in Thousands of Barrels	Total	Percent Changes	
			1977/76	1976/75
Crude oil:				
Ontario production	369	0.3	-0.8	14.2
From Western provinces (2)	94,949	72.7	-1.1	1.0
Imports from U.S.A. (3)	9,903	7.6	100.0	Ø
Net transfers and other materials	1,518	1.2	Ø	Ø
Total run to stills	106,739	81.8	9.2	2.5
Products:				
Transfers from other provinces	20,244	15.5	7.2	-18.9
Imports	1,664	1.3	36.8	- 7.2
Other receipts	1,908	1.4	-55.5	-28.0
Total product receipts	23,816	18.2	- 2.3	-20.2
Total Supply	130,555	100.0	6.9	- 3.0
<u>Disposition of products</u>				
Consumption:				
Sales	113,992	87.3	3.5	2.7
Company use	7,318	5.6	12.1	9.6
Total consumption	121,310	92.9	4.0	3.1
Other:				
Transfers to other provinces	2,265	1.7	-27.5	28.0
Exports	4,986	3.8	- 8.2	-23.3
Inventory changes	3,458	2.7	Ø	Ø
Losses	-1,464	-1.1	Ø	Ø
Total other disposition	9,245	7.1	70.1	-57.1
Total disposition	130,555	100.0	6.9	- 3.0

(1) Based on Statistics Canada 45-004.

(2) Crude oil, condensate and pentanes plus, comingled propane and butane mixes.

(3) U.S.A. domestic crude oil in exchange for equal deliveries of western Canada crude to refineries in the U.S.A.

Natural Gas in Ontario

Summary

Consumption of natural gas in Ontario in the first nine months of 1977 increased 1 percent over the corresponding period 1976.

Deliveries of gas from western Canada were up 3 percent. Withdrawals from and injections into storage were considerably higher. No imports from U.S.A. were recorded; exports to U.S.A. rose. Production from Ontario natural gas fields increased.

Ontario Production

In the third quarter of 1977, Ontario natural gas production more than doubled the level of 1976; Lake Erie production which accounted for nearly 60 percent of total production increased by 200%. For the first nine months, total production increased by more than 30 percent over 1976 levels.

Gas Storage

Withdrawals of natural gas from storage pools during the third quarter decreased over 6 percent from 1976 levels. The major withdrawals occurred in July. In the first nine months, withdrawals were 33 percent higher than the 1976 levels.

Injections into storage increased 25 percent in the third quarter. For the first nine months, injections were up 34 percent over 1976 levels. By the end of September, the balance of gas held in storage totalled about 143 billion cubic feet similar to the quantity in storage at that time in 1976.

Transmission

In the third quarter of 1977, receipts of natural gas from western Canada were 7 percent higher than 1976 levels. For the first nine months, deliveries were up 3 percent.

Natural Gas in Ontario

Comparative Receipts & Disposition

First Nine Months 1977
(Preliminary)

In Thousands Cubic Feet

	<u>Percent Changes</u>			
	1977	1976	1977/76	1976/75
<u>RECEIPTS</u>				
Produced	5,347,341	4,065,461	31.5	-53.8
Withdrawn from Storage	90,698,454	68,361,086	32.7	-5.9
From Western Canada	538,805,800	523,083,839	3.0	0.7
Imports from U.S.A.	-	3,667,715	-100.0	-55.9
Total Receipts	634,851,595	599,178,101	6.0	-1.6
<u>DISPOSITION</u>				
Sales to Customers	488,943,983	484,649,315	0.9	2.1
Injected into Storage	130,726,394	97,448,363	34.2	-16.2
Exports to U.S.A.	11,108,749	9,369,244	18.6	3.8
Line Pack	8,752	-81,120	Ø	Ø
Used in Operation	16,642,373	14,468,595	15.0	1.0
Metering & Other Unaccounted	-12,578,656	-6,676,296	Ø	Ø
Total Disposition	634,851,595	599,178,101	6.0	-1.6

Natural Gas in Ontario

Comparative Receipts & Disposition

Third Quarter 1977

(Preliminary)

In Thousands Cubic Feet

	1977	July	1976	1977	August	1976	1977	September	1976
<u>RECEIPTS</u>									
Produced	817,747	352,448	828,601	325,471	893,166	295,969			
Withdrawn from Storage	1,209,814	157,220	303,812	773,105	172,211	870,686			
From Western Canada	59,415,924	60,839,037	61,544,365	57,350,338	59,746,132	50,946,263			
Imports from U.S.A.	-	-	-	277,418	-	-			
Total Receipts	61,443,485	61,348,705	62,676,778	58,726,332	60,811,509	52,112,918			
<u>DISPOSITION</u>									
Sales to Customers	34,670,129	33,568,969	36,493,901	35,186,629	38,621,387	39,304,724			
Injected into Storage	24,476,998	24,879,461	21,792,885	19,403,048	18,268,288	7,566,909			
Exports to U.S.A.	846,752	852,133	920,724	940,548	962,235	908,734			
Line Pack	-9,500	-99,840	29,000	45,680	24,160	-43,520			
Used in Operation	1,515,635	1,586,654	1,585,409	1,652,710	1,650,700	1,518,157			
Metering & Other									
Unaccounted	-56,529	561,328	1,854,859	1,497,717	1,284,739	2,857,914			
Total Disposition	61,443,485	61,348,705	62,676,778	58,726,332	60,811,509	52,112,918			

Consumption of gas in transmission and distribution activities during the third quarter remained similar to the 1976 levels. However, a 15 percent rise over 1976 was shown for the first nine months.

Imports and Exports

No imports of natural gas from the U.S.A. occurred during the first nine months of 1977.

In the third quarter, gas exported through Ontario to the U.S.A. increased 1 percent over 1976 levels. Over the first nine months, exports through the Rainy River region of northwestern Ontario, (over 40 percent of total exports), decreased. Deliveries into New York state increased by more than 50 percent because of the extra deliveries in February - March during the extremely cold weather.

Sales

In the first nine months, natural gas sales increased less than 1 percent over the 1976 levels. Of the total sales of 489 billion cubic feet, residential sales (accounting for 20 percent) increased nearly 3 percent; commercial sales (23 percent of the total) rose 4 percent; and industrial sales (57 percent of the total) decreased slightly.

Percentage Changes in Monthly Sales by Customer Categories During Third Quarter Over Previous Year

<u>Month</u>	<u>Residential</u>		<u>Commercial</u>		<u>Industrial</u>		<u>Total</u>	
	<u>1977</u>	<u>1976</u>	<u>1977</u>	<u>1976</u>	<u>1977</u>	<u>1976</u>	<u>1977</u>	<u>1976</u>
July	2.2	7.6	0.8	3.9	3.8	-4.3	3.3	-2.5
August	-2.6	8.4	5.1	-2.9	4.2	0.5	3.7	0.7
September	-4.0	-3.5	8.1	-14.4	-3.0	2.3	-1.7	-0.7

NATURAL GAS IN ONTARIO
CONSUMERS AND SALES BY CATEGORIES

First Nine Months 1977

(Preliminary)

In Thousands Cubic Feet

<u>Category</u>	1977		1976	
	<u>Number of Consumers</u>	<u>Quantities</u>	<u>Number of Consumers</u>	<u>Quantities</u>
Residential	958,002	97,885,366	923,468	95,307,351
Commercial	100,239	111,437,575	96,192	107,274,652
Industrial	11,081	279,621,042	11,120	282,067,312
Totals	1,069,322	488,943,983	1,030,780	484,649,315

Percent Changes

	1977/76		1976/75	
	<u>Customers</u>	<u>Quantities</u>	<u>Customers</u>	<u>Quantities</u>
Residential	3.7	2.7	3.6	5.1
Commercial	4.2	3.9	4.3	3.4
Industrial	-0.4	-0.9	4.0	0.6
Totals	3.7	0.9	3.7	2.1

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